AUTODOC CLUB

How to change glow plugs on a car – replacement tutorial

VIDEO TUTORIAL



THINGS YOU MAY NEED:



- a set of suitable tools
- a set of new glow plugs
- torque wrench
- a glow plug socket
- high temperature grease
- all-purpose cleaning spray
- WD-40 spray

BUY TOOLS

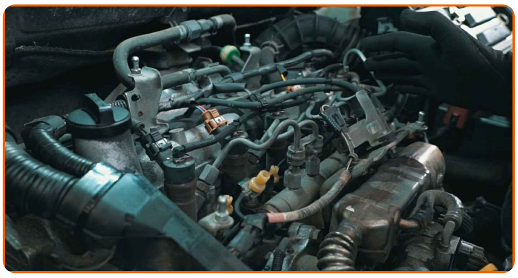
Please note!

- Glow plugs are heating elements used to aid in starting a diesel engine
- Their number corresponds to the number of engine cylinders
- The glow plugs all have the same service life and should be replaced as a set
- Glow plugs are located in the cylinder head
- Depending on the vehicle design, they can be fitted at the front, rear or on top of the engine

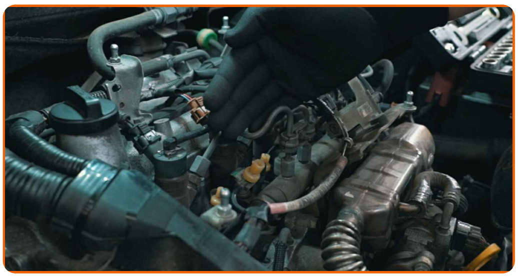
1 Before getting down to work, make sure that the engine has cooled down



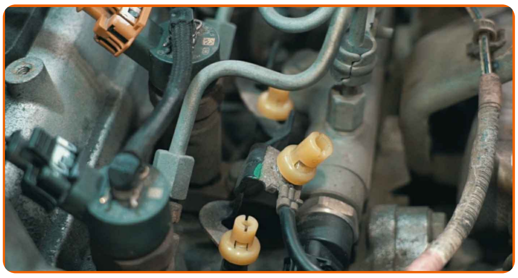
2 Open the bonnet and remove the engine cover



3 Locate the glow plugs



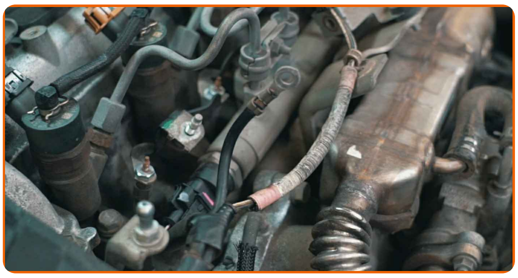
4 Look at the design of the glow plugs and their electrical contacts



Important!

- Before getting down to work, check that no power is being supplied to the glow plugs
- Make sure the ignition is off
- In some cases you may need to disconnect the negative battery terminal

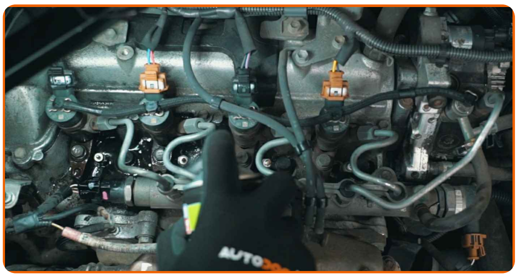
5 Remove the common power supply terminal, if your car has one



6 Or detach the connectors from all glow plugs



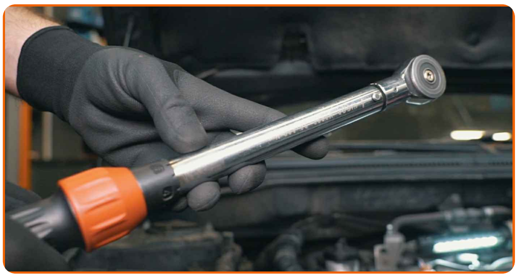
7 Clean the working area



8 To unscrew the glow plugs, use a torque wrench with a suitable socket



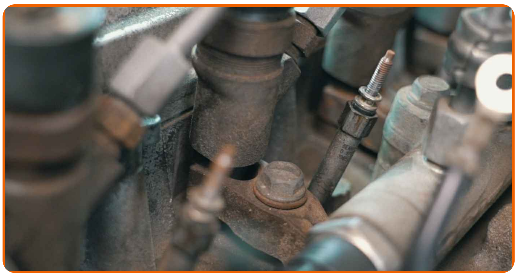
9 Set the wrench to the torque value recommended by the car manufacturer. This value may be specified on the package or in the car repair manual



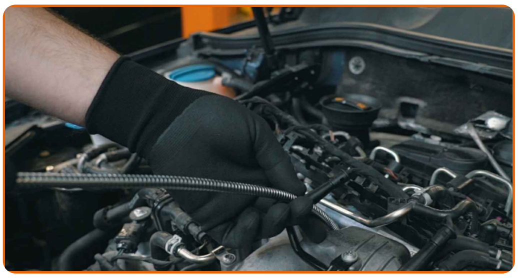
Caution!

- To avoid breaking the glow plug, do not exceed the prescribed torque

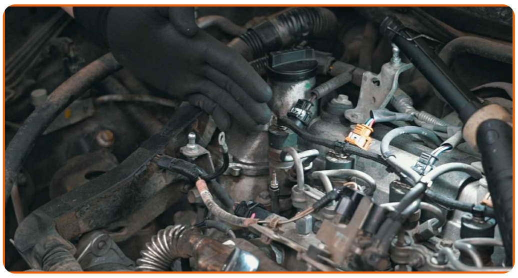
10 Before removing the glow plugs, clean the working area again



11 If the glow plugs are difficult to access, use a magnetic pickup tool with a flexible shaft



12 If the preset torque is insufficient to unscrew the glow plugs, you can try the following: Remove the parts after warming up the engine to the operating temperature



Important!

- Proceed with caution to prevent burns

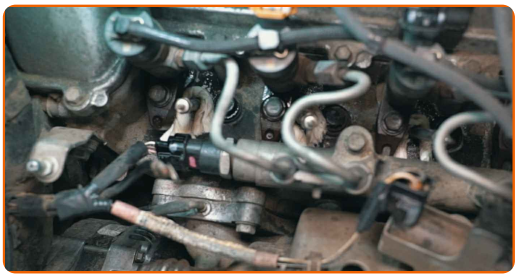
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Use WD-40 spray



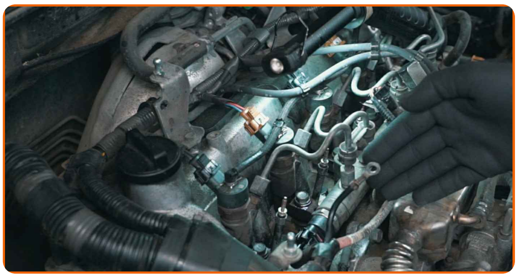
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If the plugs are mounted at an angle, wrap them in cloths to keep them exposed to the agent



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For the best effect, repeat this procedure several times over the day

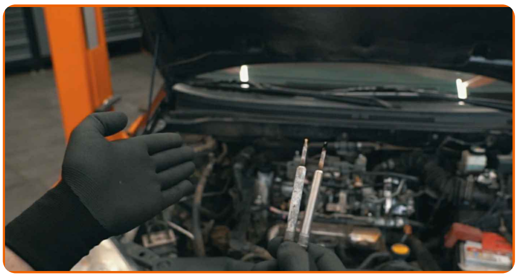


AUTODOC recommends:

- If none of the methods work, seek professional help

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After removing the glow plugs, make sure that their wells are free of soot and other dirt

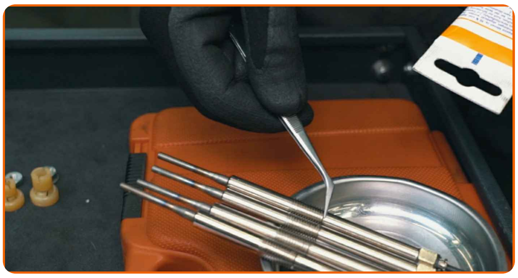


Please note!

- Do not touch the heating portion of new glow plugs

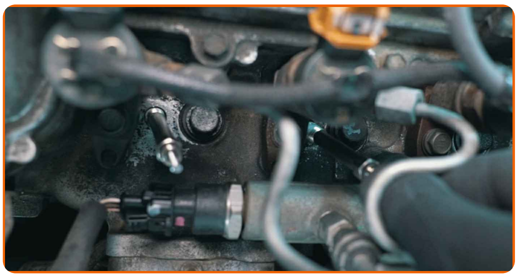
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Treat the portion of the body from the beginning of the thread to the base with high-temperature grease. This will prevent the spread of corrosion



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Carefully install the new glow plugs, avoiding touching the walls of their wells



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Tighten the parts to the torque recommended by the car manufacturer



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Check the condition of the connectors and replace them if necessary



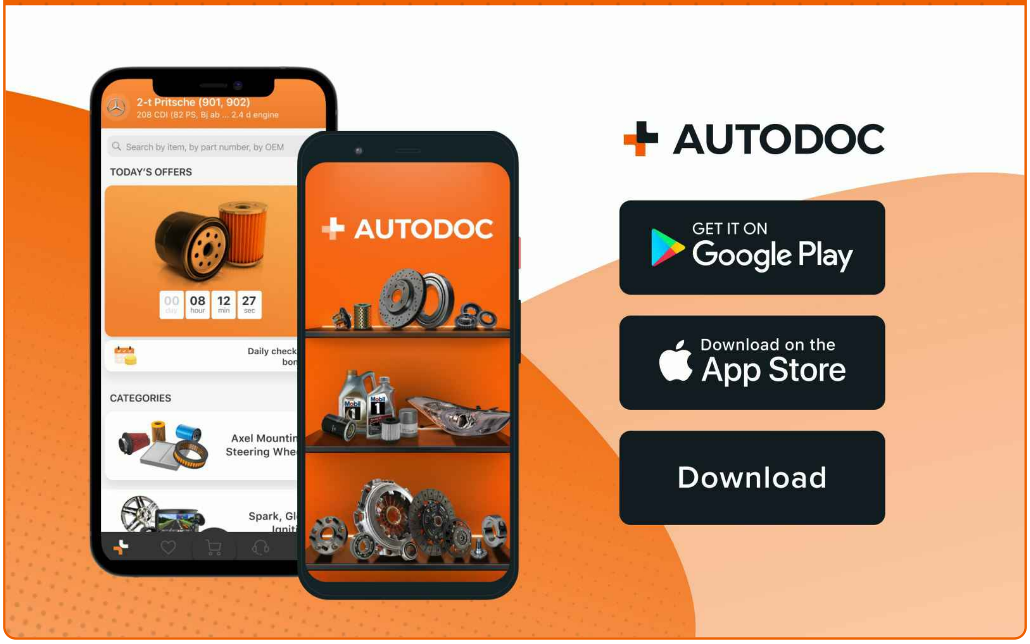
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Tighten the fasteners of the common terminal to the torque recommended by the car manufacturer



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GLOW PLUGS: A WIDE SELECTION

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